

ORGANIC ELECTROLUMINESCENCE DEVICE

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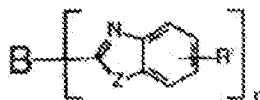
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Abstract of JP10106749

PROBLEM TO BE SOLVED: To form a new organic material contained in an electron transmitting layer of a multilayer organic EL device out of a benzazole compound expressed by a prescribed molecular formula. **SOLUTION:** In an EL device, for example, an anode, a hole transmitting layer and an electron transmitting layer of an organic EL medium and a cathode are laminated on a support body layer such as glass. A light emitting layer as the organic EL medium and also hole and electron implantation layers may also be added. High electron mobility and a wide band gap or the like are expected as the electron transmitting layer, but a benzazole compound expressed by a formula is usefully used. In the formula, (n) is an integer of 2 to 8, and Z is O, N-R or S, and R and R' are hydrogen, alkyl having a carbon atom of 1 to 24, aryl such as a heterocyclic system, or a hetero atom substituted aryl, or an atom necessary to complete a halogenated condensed aromatic ring, and B is a bonding unit composed of alkyl, aryl, substituted alkyl or substituted aryl to conjugably or unconjugably bond plural benzazole derivative and the like.



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